

ABSTRACT

A method and apparatus for increasing formatting efficiency of a disk drive is disclosed. In one embodiment, a method for storing data in a disk drive is provided. The disk drive is coupled to a computer via an interface. The method includes the steps of storing data on a disk surface in a disk block having a predetermined length; and, presenting data from the disk drive to the interface as a host block having a predetermined length, wherein the predetermined length of the disk block is equal to N times the predetermined length of the host block, where N is a natural number greater than 1. In one embodiment, a read/modify/write procedure is provided to ensure that data is not lost when a power failure occurs during a write operation when the number of host blocks being written is not a multiple of N .

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